

Product Bulletin

Product Name	STEPAN® MWA-257
Chemical Structure	$\text{CH}_3(\text{CH}_2)_n\text{-O}(\text{CH}_2\text{CH}_2\text{O})_y\text{H}$
Chemical Description	Alcohol ethoxylate based on a synthetic C ₁₂₋₁₅ alcohol base
CAS Registry Number	68131-39-5
Applications	STEPAN MWA-257 is a highly active nonionic surfactant. It is stable in both acidic and alkaline solutions and can be used as an emulsifier and lubricant in synthetic and semi-synthetic metalworking fluids. STEPAN MWA-257 can be used as a component of lubricants, gear and chain oils, metalworking fluids, hydraulic fluids, and plasticizers, and is soluble in naphthenic and paraffinic oils.
Typical Properties	<p>Appearance at 25°C.....Clear to slightly hazy liquid</p> <p>Average number of moles EO.....7.25</p> <p>Actives, %.....99.5 min.</p> <p>Color, APHA.....50 max.</p> <p>HLB.....12.2</p> <p>Density, g/ml (lbs/U.S. gal).....0.96 (8.00)</p> <p>Pour Point, °C (°F).....19 (66)</p> <p>Flash Point, PMCC, °C (°F).....>94(>201)</p> <p>Viscosity at 25°C, cps.....29</p> <p>RVOC, U.S. EPA, %.....0</p>
Environmental Effects	STEPAN MWA-257 is readily biodegradable. A detailed biodegradability statement is available upon request.
Health Effects	STEPAN MWA-257 is slightly toxic orally (LD50 ≥1800mg/kg). Undiluted the STEPAN MWA-257 Series products are severe skin and eye irritants while a 1% dilution generally causes slight to mild skin irritation. See SDS for more information.
Storage & Handling	<p><u>Standard Packaging:</u> STEPAN MWA-257 is available in drums.</p> <p>Normal safety precautions (i.e., gloves and safety goggles) should be employed when handling STEPAN MWA-257. Contact with eyes, nose or prolonged contact with skin should be avoided. Wash thoroughly after handling STEPAN MWA-257. See SDS for more information.</p>
Workplace Exposure	Occupational exposure can occur primarily through skin contact or via inhalation of vapors and mists. Engineering controls, personal protective equipment, and other workplace practices should be used to control these exposures.



Clearances

The international inventories (country clearances) of STEPAN MWA-257 can be found in Section 15 of the Safety Data Sheet (SDS). It is the responsibility of the formulator to review the chemical control regulations for each country where the end-product is intended to be sold or used. If you have any further questions regarding inventories, please contact North America Technical Service at techserv@stepan.com.

STEPAN MWA-257 is available as Kosher Certified.

Product Stewardship

This product bulletin has been written in accordance with ACC's Product Stewardship guidelines.

Additional Safety Information

A Safety Data Sheet (SDS) is available upon request.

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